

1 ABSTRACT OF THE DISCLOSURE

2 A transparent container has two immiscible liquids of different densities,
3 colors and viscosities. A pump with a magnetic coupling injects the denser liquid
4 upwardly into the less dense liquid in response to changes in sound volume or
5 frequency of the vicinity of the device providing a geyser display reactive to music
6 or voice. Pump control circuitry includes a microphone, an amplifier; a filter for
7 extracting a beat from dance music or syllabic content of speech; an amplitude
8 detector for detecting a short-time amplitude envelope; a long time averager
9 providing a reference signal proportional to the average sound level and an
10 attenuator; a comparator connected to both the averager and the attenuator to
11 change state when the attenuated version of the short time amplitude envelope
12 momentarily rises above reference signal to provide an activating signal to a pump
13 power controller causing electric power to be delivered to the pump.

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